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OBLON ET AL (703) 413-3000 DOCKET # 192863450 FCT SHEET | OF 28

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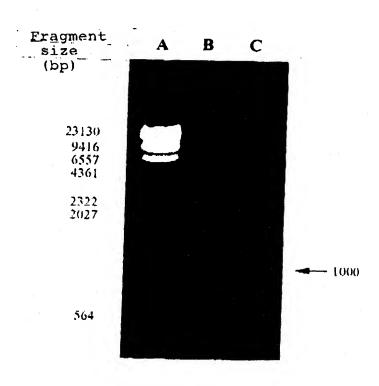


FIGURE 1

OBLON ET AL (703) 413-3000

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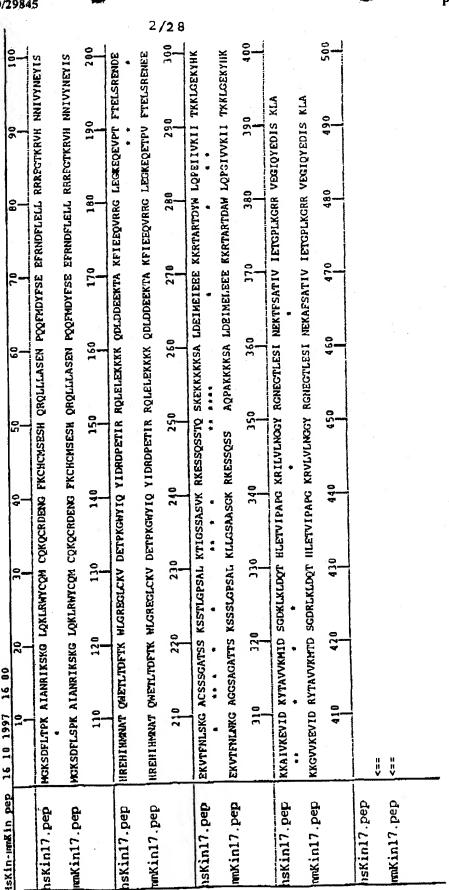


FIGURE 2A

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OBLON ET AL (703) 413-3000

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hskinl7-mmKin17	16 10 1997	7 15 59	*				,	*			
		0 20	30	40	} }	09	-	08	06 -	100	1
nsKin17. seq	TGATTCGACC	TGATTCGAGC TCGGTACCCG GGGATCCGAT TAGAAAGTGA TCGCTGCCGT GGTCGCCATG GGGAAGTCGG AFTTTCTTAC TCCCAAGGCT ATCGCCAACA	GGGATCCGAT	TAGAAAGTGA	Tecessor	GCTCCCCATG	OCCAACTCOC	ATTTTCTTAC	TCCCAAGGCT	ATCGCCAACA	
mmKin17.seq						ATG	GGCAAGTCGG	ATTTTCIGAG	ATG GGCAAGTCGG ATTITCTGAG CCCCAAGGCC ATCGCCAATA	ATCGCCAATA	
		120	0	0 140	150	160	0 170		190 19	90 200	
nskin17.seg	GGATCAAGTC	GGATCAAGTC CAAGGGCTG CAGAAGCTAC GCTGGTATTG CCAGATGTGC CAGAAGCAGT OCCGGGACGA GAATGGCTTT AAGTGTCATT GTATGTCCGA	CAGAAGCTAC	OCTGGTATTG	CCAGATGTGC	CAGAAGCAGT	OCCGGGACG	GAATGGCTT	AAGTGTCATT	CTATCTCCCA	
mKinl7.seg	GAATTAAGTK	GAATTAAGIC CAAAGGGCIC CAGAAGCITC GCIOGTACIG CCAGAIGIGC CAAAAGCAAT GCCGCGACGA GAAIOGCITT AAGIGICACIT GTAIGICIGA	CAGAAGCITIC	GCTOGTACTO	CCAGATOTOC	CAAAAGCAAT	dccgccacca	GAATOGCTT	. AAGTGTCACT	GTATCTCA	
	2	210 220	230	0 240	0 250	260	0 270		280 290	00 00 0	3;
nskinl7.seq	ATCTCATCAC	ATCTCATCAG AGACAACTAT TGCTGGCTTC	TCTGGCTTC	AGAAAATCCT	AGAAAATCCT CAGCAGTTTA TGGATTATTT TTCAGAGGAA TTCCGAAATG ACTTTCTAGA ACTTCTCAGG	TGGATTATIT	TTCAGAGGA	TTCCGAAAT	ACTITICITAGA	ACTICICAGG	/28
mmKin17.seq	ATCTCATCA	ATCICATCAA AGACAACTOF TGCTGGCTTC AGAAAACCCT CAGCAGTTTA TGGATTATTT TTCAGAGGAA TTCCGAAATG ACTTTCTGGA ACTTCTGAGG	recreective	AGAAAACCCT	CAGCAGTITA	TOGATTATTT	TYCAGAGGAA	Trccgaaat	ACTITICISON	ACTUCTICACE	
		320	330	340	0 350	360		370 38	380 390	0 400	
nsKin17.seq	AGACOCTITA	AGACOCTITIC GCACTAAAAG GGTCCACAAC AACATTGTCT ACAACGAATA CATCAGCCAC GGAGAGCACA TCCACATGAA	GGTCCACAAC	AACATTGTCT	ACAACGAATA	CATCAGCCAC	CGAGAGCAC	TCCACATGA	TCCCACTCAG	TECCACTCAG TEGGAAACTC	
mmKin17.seq	CGACGCITIN	CCACGCTTTE GCACTARARG GGTCCACARC AACATTSTCT ACAATGARITA CATCAGCCAC CGAGAGCACA TCCACATGAA CGCTACCCAG TXSGAGACAC	GGICCACAAC	AACATTGTCT	ACAATGAA'I'A	CATCAGCCAC	CGAGAGCACA	A TCCACATGA	CGCTIACCCAG	TOGGAGACAC	
	v	410 420	430	0 440	0 450	460		470 41	480 490	0 500	
nskin17. seg	TUACTEATT	TUACTOATHT TACTAACTOG CTOGGCAGAG	CTOGGCAGAG		AAGSCTITGTS CAAAGTOGAC GAGACACCAA AAGGCTUGTA TATTCAGTAC ATAGACAGGG ACCCAGAAAC	GAGACACCAA	AAGCC1GGT/	A TATTCAGTA(ATAGACAGGG	ACCCAGAAAC	
mmXin17.seq	TUACCGACT	WACCGACTT TACCAACTUG CTUGGCACAC	CTUGGCAGAG	AGGCCTICIVE	ACCITICIN TAAAGTUGAT GAGACACCUA AAGGCTUCTA CAITICAGTAC ATAGACAGAG ACUDAGAAAU	GAGACACCGA	AAGGCTOGT	A CATTCAGTA	. ATRGACAGAG	. ACCCAGAAAC	

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FIGURE 2B

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950000011	CAACTOGAAC	TATECECCO CAACTOGAAC TOGAGAAAAA GAAAAACCAG GACCTTCATG ATGAAGAAA AACTOCCAAA TTTATHOAAG AGCAAGTGAG AAGAGGCCTU	GAAAAACCAG	GACCTTGATG	ATGAAGAAA	AACTGCUAAA	TTTATTICAAG	AGCAAGTGAG	AAGAGGCCTN	
•		•	•	•		•	*	•		
ATCCGTCGG	CAACTGGAAT	CATCCGTCOG CAACTCGAAT TAGAAAAAA GAAGAAGCAA GATCTGGACG ATCAAGAAAA AACTGCCAAG TTCATTGAGG AGCAGGTGAG AAGAGGCCTG	GNAGAAGCAA	CATCTCGACG	ATCAAGAAAA	AACTGCCAAG	TTCATTIGAGG	AGCAGGTGAG	AAGAGGCCTG	
610	0 62	0 630	640	0 650	0 660	019	5 680	069	200	
NAGGGAAGG	AACAGGAGGT	GAAGOGAAGG AACAGGAOGT CCCTACTTTT ACGGAATTAA GCAGAGAAA TCATGAAGAG AAGTCACGT TTAATTTCAG TAAAGGAGCA TGTAGCTCAT	ACGGAAITIAA	GCAGAGAAA	TCATCAAGAG	AAAGTCACGT	TTAATTTGAG	TAAAGGAGCA	TCTAGCTCAT	4/2
AAGGGAAAG	AGCAGGAGAC	GAAGGGAAAG AGCAGGAGAC ACCTGTTTTT ACAGAACTTA GCCGAGAAAA TOAGGAAGAA AAAGTTACGT TCAATCTGAA TAAAGGAGCG GGTGGCTCAG	ACAGAACTTA	GCCGAGAAAA	TCAGGAAGAA	AAAGTTACGT	TCAATCTGAA	TAAAGGAGCG	OCTGGCTCAG	8
	0 72	0.00	97. 	0 750	0 760	0177	780	790	0 800	
CGGAGCTAC	ATCTTCCAAG A ACATCCAAG	CEGGAGCAAC ATCTTCCAAG TCAAGTACTC TGGGACCGAG TGCACTGAAG ACGATAGGAA GITCAGCATC AGTGAAAGGA AAAGAATCTT CCCAGAGCITC	TOGGACCGAG	TCCACTGAAG	ACGATAGGAA	GTTCAGCATC	ACTICANACGA CGGGAAACGG	AAAGAGTCTT AAAGAGTCTT	CCCAGAGCIC * CACAGAGCTC	
				FIGU	FIGURE 2B (continued)	ontinued	~			

CEGGAGGAAC ATCITICCAAG TCAAGTACTE TOGGACEGAG TGCACTGAAG ACGATAGGAA G'ITCAGCATE AGTGAAACGA AAAGAA COGGAGCTAC AACATCCAAG TCAAGGTCTT TGGGACCAAG TGCACTGAAG CTGCTGGGGA GCGCAGCATC CGGGAAACGG AAAGAG 710 mKin17. seq skin17.seq

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	910	820	0 8 0		840	850	860	870	088	058	006	i
nsKin17.seq	AACTCHGTCT AAAGAAAAGA AGAAAAAGAA ATCTCCACTG GATGAAATCA TGGAGATTGA AGAGGAAAG AAAAGAACTG CCCGAACAGA CTACTCGCTA	MANGA	AGAAAAGAA	ATCTCCACT	G GATCAAA	TCA TOGAGA	FTCA AGAGG	AAAG AAAAG	NACTG CCCG	AACAGA CTACT	CGCTA	
mnKin17.seq	COCCERGOOT GC		AGAAGAAGAA	Gregeteen	G CATCAGA	TCA TOGAGC	rcga agaggi	MAAG AAAAG	SACCG CACG	GA AGAAGAAGAA GTCGGCCCTG GATGAGATCA TGGAGCTCGA AGAGGAAAAG AAAAGGACCG CACGSACAGA CGCCTGGTTA	GCTTA	
	910	920	0 930		940	950	096	970	986	066	1000	
nsKinl7.seq	CAGCCTGAAA TTATTGTGAA AATTATAACC AAGAAACTGG GAGAGAAATA TCATAAGAA AAAGGCTATT GTTAAGGAAG TAATTGACAA ATATACAGCT	GTGAA	AATTATAACC	AAGAAACTO	G GAGAGAA	ATA TCATAA	SAA AAAGG	TATT GITAN	SGAAG TAAT	IGACAA ATATA	CAGCT	
mmKin17.seq	CAGCCOGOGA TCOTTGTGAA AATTATAACG AAGAAGCTTG OGGAGAAATA TCACAAGAA AAAGOGG TC GTTAAGGAAG TGATTGACAG GTACACGCT	CTCAA	AATTATAACG	AAGAAGCTT	G GGGAGAA	ATA TCACAA	SAAG AAAGO	SG TC CTTAA	SCAAC TGAT	TGACAG GTACA	CAGCT	
	\$010	1020	1030		1040	1050	1060	1070	1080	1090	1100	
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mmKin17.seq	GTECTRAAGA TGACTGACTC TOGAGACAGG CTGAAACTGG ACCAGACTCA TFTAGAGACA GTCATTCCOG CCCCGGGGAA AAGGGTTCTA GTTTTAAATU	GACTC	TOGAGACAGG	CTGAAACTG	G ACCAGAC	TCA TITTAGA	SACA GTCAT	93333 BO334	CCCAA AACC	CENCEA CPETE	TAAATC	
	סנוו	1120	0 1130	0 1140	140	1150	11,60	1170	1180	1190	1200	5
nsKin17.seq	GAGGCTACAG AGGAAATGAA GGTACCCTAG AATCCATCAA TGAGAAGACT TTTTCAGCTA CTATCGTCAT TGAAACTGGC CCTTTAAAAG GACGCAGAGT	ATGAA	GGTACCCTAG	AATCCATCA	A TGAGAAG	ACT TITICA	SCTA CTATO	FICAT TGAAA	crose cerr	TARANG CACCC	AGAGT	/28
mmKin17.seq	GAGGCTACAG AGGAANTGAA GGCACTCTCG AATCCATCAA TGAGAAGGCT TITITCAGCCA CGATAGTCAT TGAAACTGGA CCTITIGAAAG GACGCAGAGT	ATGAA	GGCACTCTCG	AATCCATCA	A TGAGAAG	GCT TTTTCA	SCCA CGATA	STCAT TGAAA	CTOGA CCTT	Tgaaag gacgc	AGAGT	3
	01210	1220	1230		1240	1250	1260	1270	1280	1290	90001	
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wmKin17.seq	TGAAGOTATT CAATATGAAG ACATATCTAA ACTTGCTTGA GTFTGAAAAT TTGAAACAA CACA TTGAA A CTGTGAAG CATCAAATTG GTGTTAGCCA	TCAAG	ACATATCTAA	ACTUGCTE	A GITTICAA	aat ttoatr	ACAA CACA	TIGAA A CTG	TGAAG CATC	AAATTG CTCTT	PAGCCA	
	1310	1320	20 1330		1340	1350	1360	1370	1380	1390	1400	
nsKin17.seq					÷						<u>.</u>	
mmKin17.seq	AGGCACTGTG TAACTCTACT GTGTTAGGGG ATTTGTTTTG TATTAAAAA AAAAAATCA TCTATTTAAA TACTAGTGAA TAGTTGGGTA AATTTATAAT	CTACT	GIGTTAGGG	ATTIGITIT	C TATTAA	ARA AAAAA	ATCA TCTAT	TANA TACTA	GTCAA TAGT	TCCCTA AATTT	rataa'f	
	1410	1420	20 1430		1440	1450 	1460	1470	1480	1490	1500	
nsKin17.seg	**************************************		***************************************	***************************************		***************************************						.•
mmKin17.seq	AAAATETATG TTTTTTTAA GTGTAAAAA AAAAAAAA AAAAAAA AAAAAA	TTTTA	GTGTAAAAA	AAAAAAAA	A AAAAAA	AAA AAAAA						
					FI	FIGURE 2B	(continued)	ned)				.=

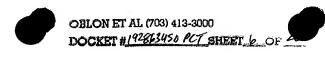
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peripheral blood leukocyte

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A

heart
brain
placenta
lung
liver
skeletal muscle
kidney
pancreas

spleen thymus prostate

testicle
ovary
small intestine

Kin-17

β Actin

\$---**-**

FIGURE 3A

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B

HL-60 Hela S3 K-562 Molt-4 Raji SW480 A 549 G 361

Kin-17

β Actin



FIGURE 3B

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OBLON ET AL (703) 413-3000 DOCKET #192843450PCT SHEET 8 OF A 09/555529

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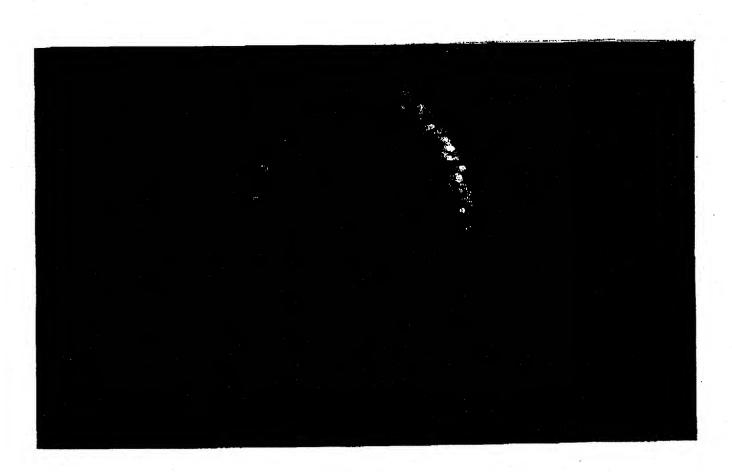


FIGURE 4A

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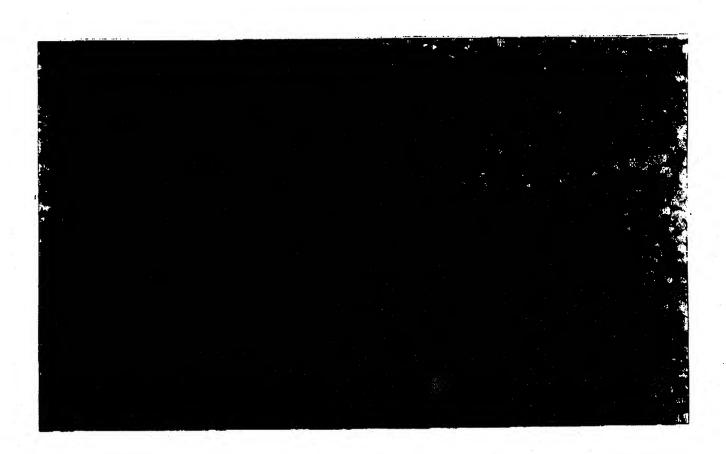
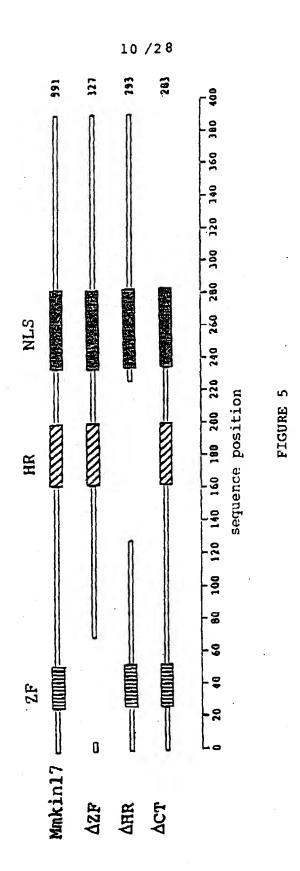


FIGURE 4B

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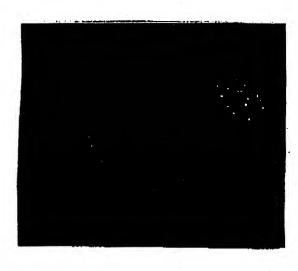


FIGURE 6A

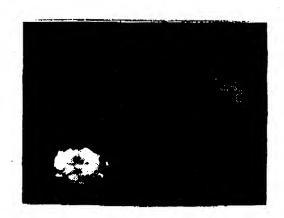


FIGURE 6B

OBLON ET AL (703) 413-3000 DOCKET # /92863450807 SHEET /2 OF

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Phase Contrast



FIGURE 7A

FIGURE 7B

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The gray given been given prior temps given given by the second of the s

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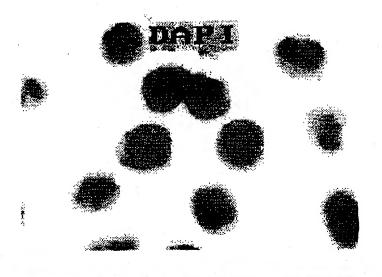
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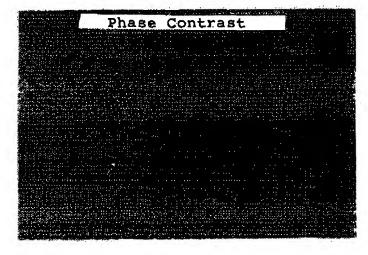
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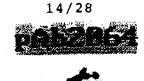
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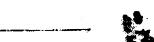
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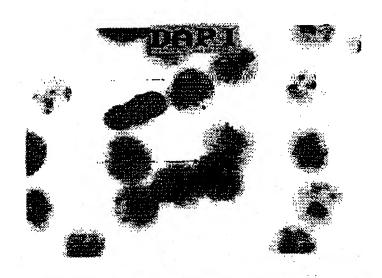


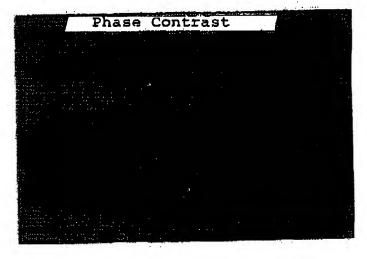
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EXGURE 8B

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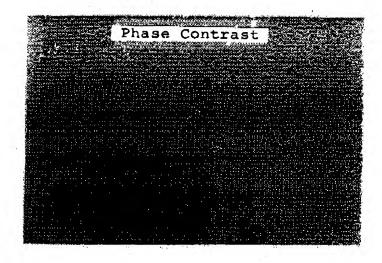


FIGURE 9

OBLON ET AL (703) 413-3000 DOCKET # 19286345 OP 45HEET 16 OF 09/555529

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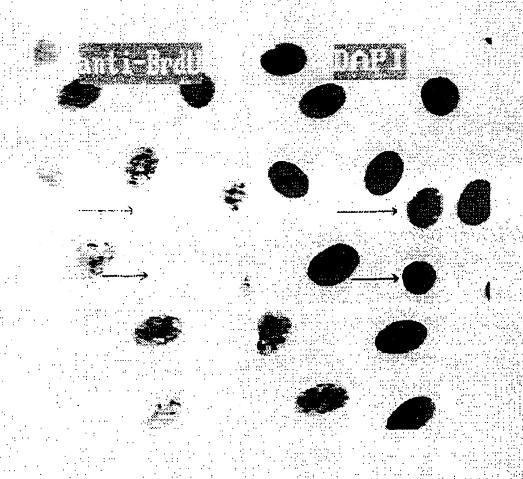


FIGURE 10A :-

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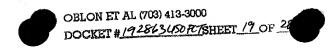
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Protein expressed	none	kin17	17	kin∆HR	kin∆CT
		low level	low level high level	,	
% of cells replicating their DNA.	40	40	0	0	33

FIGURE 10B

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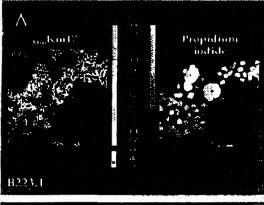
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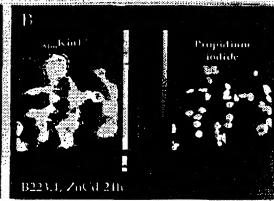
PCT/FR98/02667

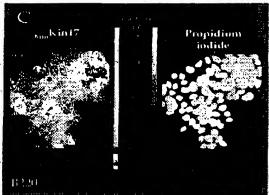
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FIGURE 12A

FIGURE 12B







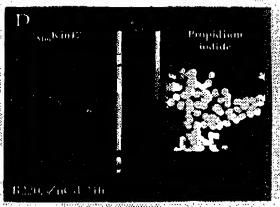


FIGURE 12C

FIGURE 12D



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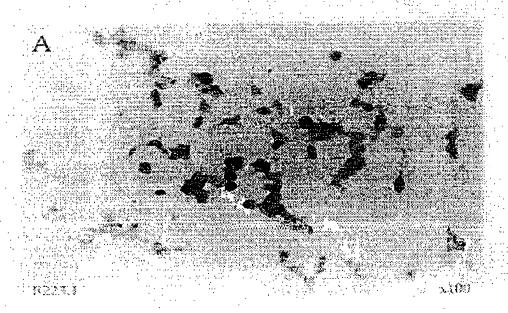


FIGURE 13A

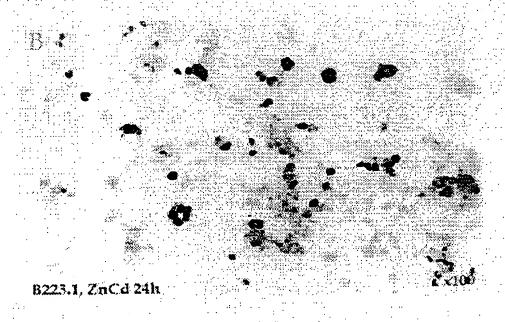


FIGURE 138

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FIGURE 130

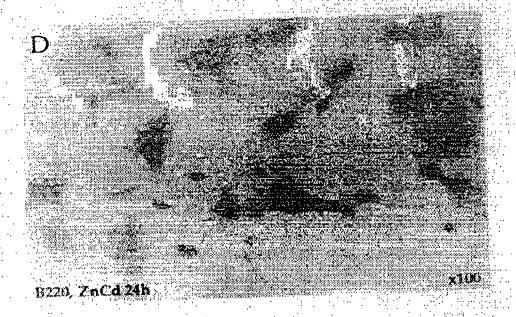


FIGURE 13D

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REPLACEMENT SHEET (RULE 26)

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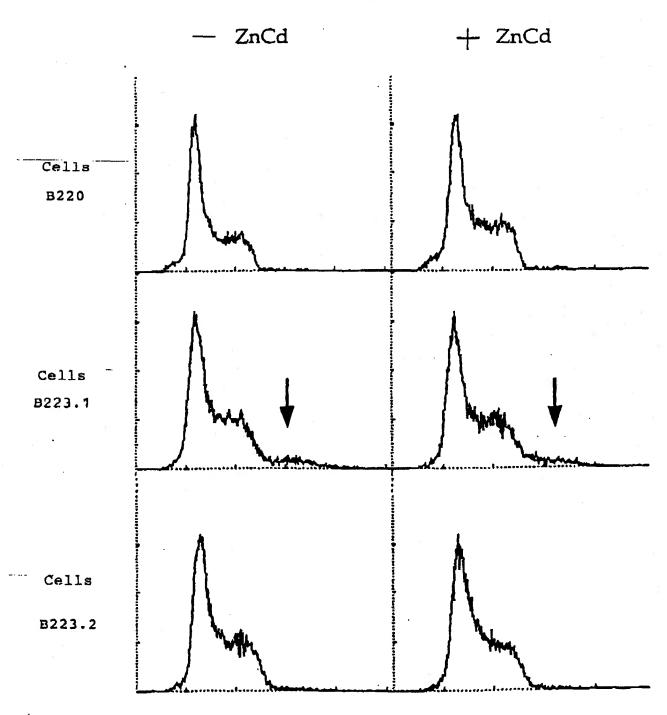


FIGURE 15

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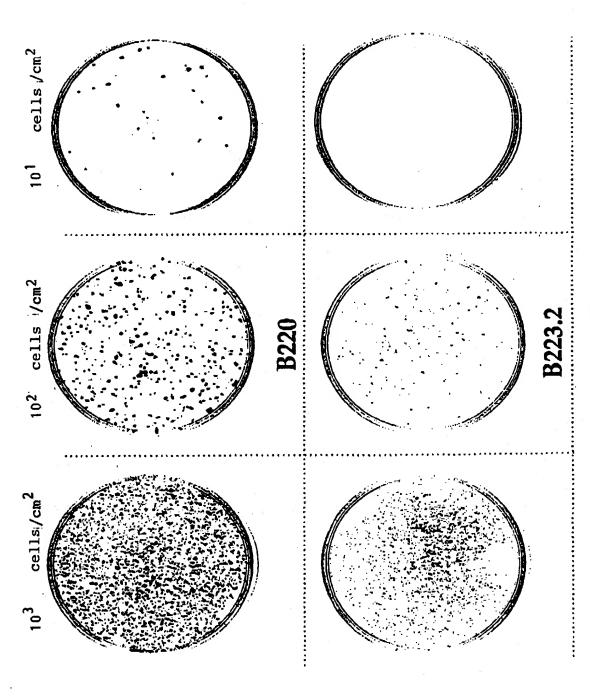
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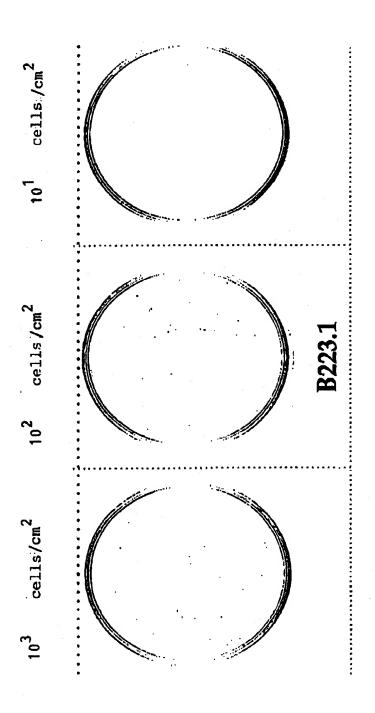


FIGURE 16 (continued)

PCT/FR98/02667

FIGURE 17A

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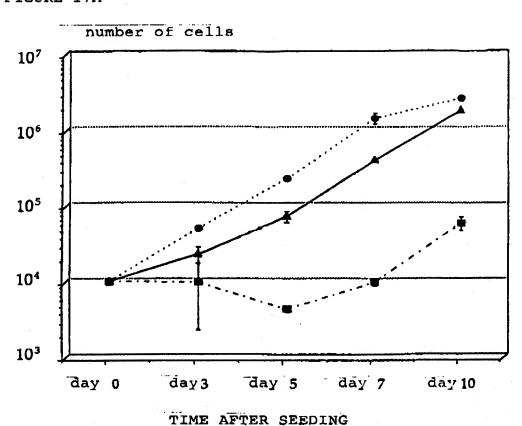
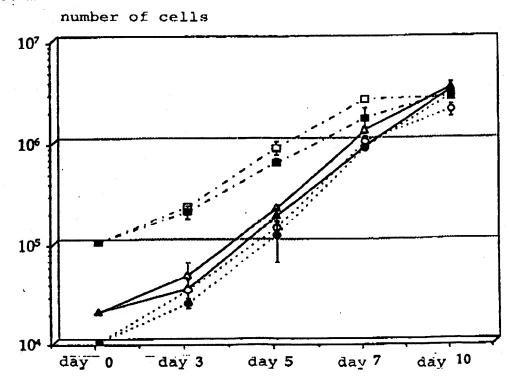


FIGURE 17B

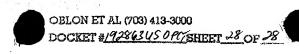


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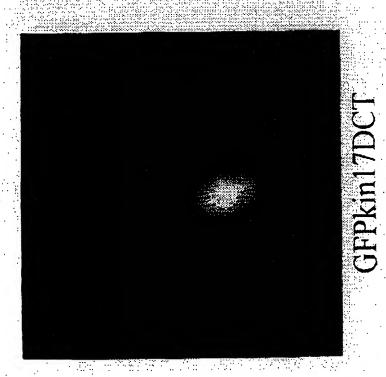
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FIGURE 1



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